

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER</b> MSX-104(US) . . . . . <b>U.S. APPLICATION NO. (if known, see 37 CFR 1.5)</b> <b>10/559092</b>
<b>INTERNATIONAL APPLICATION NO.</b> PCT/GB2004/002317	<b>INTERNATIONAL FILING DATE</b> 01 June 2004	<b>PRIORITY DATE CLAIMED</b> 03 June 2003
<b>TITLE OF INVENTION</b> SILVER TERNARY ALLOY		
<b>APPLICANT(S) FOR DO/EO/US</b> MIDDLESEX SILVER CO. LIMITED		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (unexecuted)		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input checked="" type="checkbox"/> A preliminary amendment.		
14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

LAP16 RECEIVED PTO 22 NOV 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known) <b>10/559092</b> 37 CFR 1.5	INTERNATIONAL APPLICATION NO. PCT/GB2004/002317	ATTORNEY'S DOCKET NUMBER MSX-104 (US)																
20. Other items or information: International Search Report; Written Opinion; Response to the Search Report and Written Opinion; International Preliminary Report On Patentability; PCT Notification of the Recording of a Change																		
The following fees have been submitted		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE ONLY</th> </tr> </table>	CALCULATIONS	PTO USE ONLY														
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21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... <b>\$300</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 300</td> <td style="width:50%;"></td> </tr> </table>	\$ 300															
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22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... <b>\$0</b> All other situations..... <b>\$200</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 200</td> <td style="width:50%;"></td> </tr> </table>	\$ 200															
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23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... <b>\$0</b> Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... <b>\$100</b> International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... <b>\$400</b> All other situations..... <b>\$500</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 400</td> <td style="width:50%;"></td> </tr> </table>	\$ 400															
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<b>TOTAL OF 21, 22 and 23 =</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 900</td> <td style="width:50%;"></td> </tr> </table>	\$ 900															
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is <b>\$250</b> for each additional 50 sheets of paper or fraction thereof.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%;"></td> </tr> </table>																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">Total Sheets</th> <th style="width:20%;">Extra Sheets</th> <th style="width:40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:20%;">RATE</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =		x \$250	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;"></td> </tr> </table>		\$							
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Surcharge of <b>\$130.00</b> for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$															
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MULTIPLE DEPENDENT CLAIM(S) (if applicable)		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">+ \$360</td> <td style="width:50%;"></td> </tr> </table>	+ \$360															
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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%;"></td> </tr> </table>																
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Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$															
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$															
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- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 11-0404 in the amount of \$ 900.00 to cover the above fees.  
 A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 11-0404. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Hans-Peter G. Hoffmann, Ph.D.  
 Kelley Drye & Warren LLP  
 Intellectual Property Department  
 Two Stamford Plaza  
 281 Tresser Boulevard  
 Stamford, CT 06901

Tel: 203-351-8011  
 Facsimile: 203-327-2669

  
 SIGNATURE

Hans-Peter G. Hoffmann  
 NAME

37,352  
 REGISTRATION NUMBER

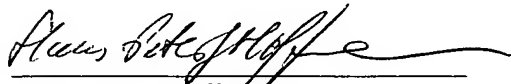
DATE: November 22, 2005

LAP16 REC'D FC/PTO 22 NOV 2005

CERTIFICATION UNDER 37 C.F.R. §§ 1.8 and/or 1.10\*

(When using Express Mail, the Express Mail label number is *mandatory*; *Express Mail certification is optional*.)

I hereby certify that, on the date shown below, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee", Mailing Label No. EL284176849US, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Hans-Peter G. Hoffmann  
Reg. No. 37,352

\_\_\_\_\_  
Signature

Date: November 22, 2005

*\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.*

**LUCAS & CO.**

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**10/559092**

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**IAP16 Rec'd PCT/PTO 22 NOV 2005**

13th October 2004

The European Patent Office  
PB5818 Patentlaan 2  
NL-2280 HV Rijswijk  
Netherlands

Dear Sirs

Re: PCT Patent Application No. PCT/GB2004/002317  
(Filed 1st June 2004) corresponding to  
UK Patent Application No. 03 12693.5  
(Filed 3rd June 2003)  
Applicant: Middlesex Silver Co. Limited  
Inventor: Johns, Peter Gamon  
Silver ternary alloy  
Case: MDX,004-PCT

In response to the Search Report and First Written Opinion dated 15th September 2004 we filed herewith:-

- 1) Demand for International Preliminary Examination
- 2) Amended description page 8 and amended claims pages
- 3) Corresponding pages printed with the Track Changes tool of WORD and showing the amendments made.

The applicants have noted from the final sentence under paragraph 2.1 of the First Written Opinion that the subject matter of claims 2 and 3 appeared neither to be known nor obviously derivable from the prior art. The amended claims have been filed on the basis of this remark and claim 2 has been combined into claim 1.

The objections as to clarity have also received attention.

contn:-

10/559092  
IAP16 Rec'd PCT/19 22 NOV 2005

If the Examiner is unable to issue a favourable International Preliminary Examination Report following detailed International Preliminary Examination of this application which is hereby requested, then he is requested to telephone the undersigned representative.

We enclose the Demand for ALL countries originally designated including the necessary Fee Calculation Sheet totalling EUR 1659 to be deducted from our deposit account no. 28050111.

Would you please return the attached copy of this letter to acknowledge safe receipt hereof.

Yours faithfully



Paul Cole/jn  
Chartered Patent Agent  
European Patent Attorney

Enc: as listed